



**TLC QUIZ\_MARCH 2022**

**BETHEL**

**LEARNER'S NAME:** .....

**CLASS:** .....

---

**MATHEMATICS**

**1 hour**

---

**READ THESE INSTRUCTIONS FIRST**

1. Candidates to answer **ALL** questions on the Question Paper.
2. Write in **BLUE/BLACK PEN** only.
3. Do not use **correction fluid /tape**. Erase your wrong answer properly.
4. Take note of the number of marks given in brackets [ ] at the end of each question.
5. Dictionaries are not allowed.
6. Total marks for the paper is **20**.

---

**DO NOT turn exam paper over until instructed to do so.**

There are NINE (9) Questions in this Question Paper. Complete all Questions.

**[TOTAL: 20]**

1. Using your own words, explain the following keywords:

- a) Expression
- b) Equation
- c) Unknown
- d) Constant

[4]

2. Solve each of these questions. Check your answers by substituting your answer back into the original equation.

a)  $6s = 48$

b)  $4x - 12 = 28$

[2]

3. Solve the following questions:

a) Round 57.6578 to three decimal places.

b) Round 148.32424 to four decimal places.

[2]

4. Solve the following questions,

$$q > -8$$

a) Show the above inequality on the number line.

b) Write down the smallest integer that  $q$  could be.

c) Write down a list of the integers values that  $q$  could be.

[3]

5. Write an expression for each of these situations:

a) Alia thinks of a number,  $p$  and she multiplies the number by 6.

b) Ram has  $s$  chocolates and he adds 20 more chocolates then he divides the number by 4.

[2]

6. Write each expressions in its simplest form.

a)  $6p + 5q - 3r - 6r + 2p - 8q$

b)  $5x + 4y^3 - 5x^2 - 2y^3 - 3x + 26$

[2]

7. Expand and simplify these expressions.

a)  $3(2s + 3) + 4s - 8$

b)  $6(r - 3) - 5(2r + 3)$

[2]

8. Lim uses the formula  $T = \frac{D}{S}$ , where T equals to the time, in hours, D means the distance in kilometres and S stands for the average speed in kilometres per hour. Based on the given formula calculate how long does it take Lim to travel from his house to Raya's house, which is 180 kilometres away, at an average speed of 60 kilometres per hour?

[1]

9. The table below shows the distance from Ali's house to different locations. The distance are shown as a decimal number multiplied by a power of 10.

Location	Distance from Ali's House (km)
Pizza	$3.844 \times 10^5$
KFC	$4.5674 \times 10^3$
Subway	$8.203 \times 10^6$
School	$2.45 \times 10^4$

Write in order, from the closest to Ali's House to the farthest from Ali's House. Work out the multiplication and then write down the order.

[2]

**\*THIS IS THE END OF THE QUESTION PAPER\***